1125-14-1267   **Max B. Kutler*** (`kutler@uoregon.edu`). *Faithful tropicalization of hypertoric varieties.*

An arrangement $\mathcal{A}$ of affine hyperplanes defines a *hypertoric variety* $\mathfrak{M}_{\mathcal{A}}$, the geometry of which is controlled by the combinatorics of $\mathcal{A}$. The variety $\mathfrak{M}_{\mathcal{A}}$ admits a natural tropicalization, induced by its embedding in a Lawrence toric variety. We explicitly describe the polyhedral structure of this tropicalization. Using a recent result of Gubler, Rabinoff, and Werner, we prove that there is a continuous section of the tropicalization map. (Received September 15, 2016)